AMENDMENTS TO THE CLAIMS:

This listing of claims replaces all prior versions and listings of claims in the application.


Listing of claims:

Claim 1 (Currently Amended): A printer which supports a power save mode and performs printing by ~~accepting~~ receiving a print request from a client via a network, comprising:

a packet ~~monitoring means for monitoring packets flowing on said~~ monitor that monitors a packet on the network, and ~~for updating and storing a~~ updates and stores client-associated last received time by client, the client-associated last receiving time being the last time when the printer receives the packet for using the printer from the client ~~each time a packet is received from any client of said printer~~;

a printer usage rate ~~computing means for determining, by referring to said client-associated last receive time stored by said packet monitoring means, that any client from whose associated last receive time has elapsed a prescribed time is in an~~ computer that determines client condition based on the client-associated last received time, the client condition being idle condition when the packet is not received for a predetermined time, and computes ~~for computing~~ a printer usage rate when the client condition is not the ~~by summing past average usage rates of clients that have been determined not to be in an~~ idle condition; and

a time setting unit that sets ~~means for setting, based on said printer usage rate computed by said printer usage rate computing means,~~ the length of time to switch to the

~~allowed before a transition is made to said~~ power save mode <u>based on the printer usage rate</u>.


Claim 2 (Currently Amended): ~~A~~ <u>The</u> printer as claimed in claim 1, further comprising<u>:</u>

~~means for forcing said printer to transition to~~ <u>a switching unit that switches the power save mode</u>

<u>to</u> a standby mode when ~~said~~ <u>the</u> printer ~~is in said power save mode and when said printer~~ usage

rate computed by ~~said~~ <u>the</u> printer usage rate <u>computer</u> ~~computing means~~ is higher than a

predetermined value.


Claim 3 (Currently Amended): ~~A~~ <u>The</u> printer as claimed in claim 1, wherein said time

setting ~~means~~ <u>unit</u> determines the length of time allowed before ~~the~~ <u>a</u> transition to ~~said~~ <u>the</u> power

save mode, by determining a power save interval according to ~~said~~ <u>the</u> printer usage rate and

subtracting an elapsed time in a mode other than ~~said~~ <u>the</u> power save mode from ~~said~~ <u>the</u> power

save interval.


Claim 4 (Currently Amended): A power save control method <u>using</u> for ~~use by~~ a printer<u>,</u>

<u>the printer for supporting</u> ~~that supports~~ a power save mode and ~~performs printing by accepting~~

<u>performing print by receiving</u> a print request from a client via a network, <u>the method</u> comprising

~~the steps of~~:

~~(a)~~ monitoring ~~packets flowing on said~~ <u>a packet on the</u> network, and updating and storing

a client-associated last receive<u>d</u> time ~~each time a packet is received from any client of said printer~~

when the printer receives the packet for using the printer from the client, the client-associated last received time being the last time when the printer receives the packet for using the printer from the client;

(b) determining[[,]] ~~by referring to said~~ client condition based on the client-associated last received time, ~~stored in said step (a), that any client from whose associated last receive time has elapsed a prescribed time is in~~ the client condition being idle condition when the packet is not received for a predetermined time, and

computing a printer usage rate when the client condition is not the ~~by summing past average usage rates of clients that have been determined not to be in an~~ idle condition; and

(c) setting[[,]] ~~based on said printer usage rate computed in said step (b),~~ the length of time to switch to the ~~allowed before a transition is made to said~~ power save mode based on the printer usage rate.

Claim 5 (Currently Amended): ~~A~~ The power save control method as claimed in claim 4, further comprising: ~~the steps of forcing said printer to transition~~ switching the power save mode to a standby mode when ~~said~~ the printer ~~is in said power save mode and when said printer~~ usage rate ~~computed in said step (b)~~ is higher than a predetermined value.

Claim 6 (Currently Amended): ~~A~~ The power save control method as claimed in claim 4 ~~5~~, wherein a process of the setting further determines ~~said step (c) determines~~ the length of time

allowed before the transition to said power save mode, by determining a power save interval according to ~~said~~ the printer usage rate and subtracting an elapsed time in a mode other than ~~said~~ the power save mode from ~~said~~ the power save interval.

Claim 7 (Currently Amended): A recording medium readable by a <u>computer, the storage medium storing a program of instructions executable by the computer to perform a function for controlling</u> ~~printer that supports~~ a power save mode <u>using for a printer, the printer for performing print by receiving</u> ~~and performs printing by accepting~~ a print request from a client via a network, <u>the function comprising</u> ~~said recording medium having stored thereon a program for causing said printer to implement a power save control method comprising the steps of~~:

~~(a)~~ monitoring ~~packets flowing on said~~ <u>a packet on the</u> network, and updating and storing a client-associated last receive<u>d</u> time ~~each time a packet is received from any client of said printer~~ <u>when the printer receives the packet for using the printer from the client, the client-associated last received time being the last time when the printer receives the packet for using the printer from the client</u>;

~~(b)~~ determining[[,]] ~~by referring to said~~ <u>client condition based on the</u> client-associated last receive<u>d</u> time<u>,</u> ~~stored in said step (a), that any client from whose associated last receive time has elapsed a prescribed time is in an~~ <u>the client condition being</u> idle condition <u>when the packet is not received for a predetermined time</u>, and

computing a printer usage rate <u>when the client condition is not the</u> ~~by summing past~~

~~average usage rates of clients that have been determined not to be in an~~ idle condition; and

~~(c)~~ setting[[,]] ~~based on said printer usage rate computed in said step (b),~~ the length of

time <u>to switch to the</u> ~~allowed before a transition is made to said~~ power save mode <u>based on the</u>

<u>printer usage rate</u>.


Claim 8 (Currently Amended): ~~A recording~~ <u>The storage</u> medium as claimed in claim 7,

<u>further comprising: switching the power save mode</u> ~~wherein said power save control method~~

~~further comprises the steps of forcing said printer to transition~~ to a standby mode when ~~said~~

~~printer is in said power save mode and when~~ said <u>the</u> printer usage rate ~~computed in said step (b)~~

is higher than a predetermined value.


Claim 9 (Currently Amended): ~~A recording~~ <u>The storage</u> medium as claimed in claim 7,

wherein <u>a process of the setting further</u> ~~said step (c)~~ determines the length of time allowed before

the transition to ~~said~~ <u>the</u> power save mode, by determining a power save interval according to

~~said~~ <u>the</u> printer usage rate and subtracting an elapsed time in a mode other than ~~said~~ <u>the</u> power

save mode from ~~said~~ <u>the</u> power save interval.


Claim 10 (Cancelled).

Claim 11 (New): The printer as claimed in claim 1, further comprising:

a list generator that generates a list of the clients which is working on the network when the packet is received by the printer.